# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, Item 5 below.
JHB / 03463WO / JLH International application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)
птетавыш арриодает то.	- , ,	
PCT/GB2004/004912	22/11/2004	20/11/2003
Applicant		
		·
QUEEN MARY & WESTFIELD COI	LLEGE	
This international Search Report has bee according to Article 18. A copy is being to	n prepared by this International Sear ansmitted to the International Bureau	ching Authority and is transmitted to the applicant
This International Search Report consists	of a total ofshe	ets.
X It is also accompanied by	a copy of each prior art document d	ted in this report.
language in which it was filed, un	less otherwise indicated under this it	on the basis of the international application in the em.  of a translation of the international application furnished to
this Authority (Ru		or a translation of the international application turnshed to
b. With regard to any nucle	otide and/or amino acid sequence	disclosed in the international application, see Box No. 1.
2. X Certain claims were fou	und unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		•
X the text is approved as si	ubmitted by the applicant.	
the text has been established	shed by this Authority to read as follo	ws:
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E Milith servered to the chatrons		
5. With regard to the abstract,  X the text is approved as s	ubmitted by the applicant.	
1 IXI the text is approved as s	ubilitied by the applicant.	
a. the figure of the drawings to be	published with the abstract is Figure	No
as suggested by	• •	
_	nis Authority, because the applicant to	
· — —	nis Authority, because this figure bette	er characterizes the invention.
b. X none of the figures is to	be published with the abstract.	

International Application No PCT/GB2004/004912

A. CLASSIF IPC 7	CATION OF SUBJECT MATTER A61K38/09 A61K38/39 A61P 15/08	
According to	International Patient Classification (IPC) or to both national classification and IPC	
B. FIELDS	SEARCHED	
Minimum do IPC 7	cumentation searched (classification system followed by classification symbols) A61K	
	on searched other than minimum documentation to the extent that such documents are inclu	
	ata base consulted during the international search (name of clata base and, where practical ternal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS	
C. DOCUMI	NTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	WO 01/13932 A (KING'S COLLEGE LONDON; FRASER, LYNN, REPSIS) 1 March 2001 (2001-03-01)	1,3-10, 14-20, 23,24, 26,27
Υ	page 6, line 18 - line 28 page 12, line 16 - line 25 	1-20
X	WO 95/32725 A (QUEEN MARY AND WESTFIELD COLLEGE; VINSON, GAVIN, PAUL ) 7 December 1995 (1995-12-07) cited in the application claims 1,3	1,3-10, 14-20, 23,24, 26,27
	-/	
X Fur	her documents are listed in the continuation of box C.  Patent family	members are listed in annex.
*A* docum	ent defining the general state of the art which is not cited to understated to be of particular relevance invention	bished after the international filing date and not in conflict with the application but not the principle or theory underlying the sular relevance; the claimed invention

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1 March 2005	15/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bochelen, D

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\*L\* document which may throw doubts on priority claim(s) or

International Application No PCT/GB2004/004912

C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to daim No.
X	VINSON G P ET AL: "ANGIOTENSIN II STIMULATES SPERM MOTILITY" REGULATORY PEPTIDES, ELSEVIER SCIENCE BV, NL, vol. 67, 1996, pages 131-135, XP000979550 ISSN: O167-0115 page 133, column 2 - page 134, column 1	1,3-10, 14-20, 23,24, 26,27
X	FRASER L R ET AL: "Calcitonin, angiotensin II and FPP significantly modulate mouse sperm function."  MOLECULAR HUMAN REPRODUCTION. MAR 2001, vol. 7, no. 3, March 2001 (2001-03), pages 245-253, XP002319525 ISSN: 1360-9947 page 247, column 2 - page 248, column 1; table II	1,3-10, 14-20, 23,24, 26,27
X Y	WENNEMUTH G ET AL: "Influence of fibronectin on the motility of human spermatozoa" INTERNATIONAL JOURNAL OF ANDROLOGY, vol. 20, no. 1, 1997, pages 10-16, XP009044560 ISSN: O105-6263 page 14, column 2	11-13, 21,22,25 1-20
X	US 5 389 519 A (BRONSON ET AL) 14 February 1995 (1995-02-14) example 10	21,22,25
Υ	FUSI F M ET AL: "Sperm surface fibronectin. Expression following capacitation."  JOURNAL OF ANDROLOGY. 1992 JAN-FEB, vol. 13, no. 1, January 1992 (1992-01), pages 28-35, XP009044553 ISSN: O196-3635 page 34	1-20

International application No. PCT/GB2004/004912

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search FReport has not been established in respect of certain daims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.:
Although claims 1-10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. Claims Nos.: because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no reaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

Information on patent family mermbers

International Application No PCT/GB2004/004912

Patent docume nt died in search report		Publication date		Patent family member(s)	Publication date
WO 0113932	A	01-03-2001	AU CA EP WO JP	6714800 A 2381928 A1 1212076 A2 0113932 A2 2003507429 T	19-03-2001 01-03-2001 12-06-2002 01-03-2001 25-02-2003
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US 5389519	Α	14-02-1995	US	5256539 A	26-10-1993